

Technical data

GRAPHSLIP OCTG

The logo for MOLYSLIP, featuring the brand name in a bold, italicized, sans-serif font with a registered trademark symbol, set against a red rectangular background.

Metal-Free Tool Joint & Drill Collar Compound

Description

MOLYSLIP GRAPHSLIP OCTG is a premium performance, metal-free, tool joint & drill collar compound based on highly refined low sulphur, low pour point mineral oil thickened with calcium sulphonate complex soap. The product contains both graphite and a unique blend of solid lubricants coupled with high levels of corrosion inhibitors, anti-oxidant and anti-wear additives that make it particularly suitable for use under the most aggressive conditions in corrosive wet/humid, dirty or chemical environments where a high degree of water washout resistance is required.

MOLYSLIP GRAPHSLIP OCTG has excellent lubricating and anti-wear properties to reduce friction during assembly preventing 'pick-up', galling and seizure facilitating easier breakout for routine maintenance. The product is formulated to meet the requirements of *API RP 5A3 / ISO 13678:2010.

MOLYSLIP GRAPHSLIP OCTG is effective over a wide temperature range and is specifically designed to prevent seizure of threaded connections and 'cold welding' of rotary shoulder/drill collar/tool joint connections on oilfield equipment such as drill strings, casings, production tools and tubing etc. The specially formulated blend of additives provides enhanced adhesion to cold/wet tooling and a high resistance to wash off whilst being thermally stable making it suitable for use in applications where high temperatures are encountered.

**API RP 5A3/ISO13678:2010 – "Petroleum and natural gas industries-evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements".*

Features and benefits

- Low sulphur content
- Brushable at low temperature (down to -18°C)
- Excellent load carrying and anti-wear properties
- Allows consistent joint make-up
- Highly effective protection against corrosion
- Outstanding resistance to water washout
- Can be applied to cold, damp equipment
- Effective over a wide temperature range (-20°C to +160°C)

Packaging

20kg

Molyslip Atlantic Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester, M44 5EG, UK
Tel: +44 (0)161 804 4700 Fax: +44 (0)161 804 4701 enquiries@molyslip.co.uk www.molyslip.co.uk

Company registration number: 02664511; Company registered in England VAT registration number GB578295191

Technical data

GRAPHSLIP OCTG



Instructions for use

MOLYSLIP GRAPHSLIP OCTG should be applied manually by brush to clean, degreased and dry (where possible) tool joint threads and shoulders. For best results apply to both mating surfaces.

Technical data (typical values)

| Property | Test method | Result |
|------------------------------|-------------|------------------|
| Appearance | - | Grey/black paste |
| Worked penetration | IP50 | 310-340 |
| NLGI classification | - | 1 |
| Drop point | IP132 | >180°C |
| SG (kg/l) | - | 1.2 |
| Corrosion resistance (EMCOR) | IP220 | 0:0 |
| Base oil viscosity | IP71 | 150 cSt |
| Solids content | - | >25% |
| 4-ball weld load | IP239 | 400kg |
| Friction factor | API Mod | 1.0 |
| Operating temperature range | - | -20°C to +160°C |

Storage

Store MOLYSLIP GRAPHSLIP OCTG out of direct sunlight. Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Issue date 06-19